

ABSTRACT

A hydrodynamic PTFE seal for a rotating part including a first portion supported by a flexible, elastomeric member and a second portion extending from the first portion past the elastomeric member along the rotating part. The second or trailing portion of the seal is concentrically disposed about the rotating part. The first portion of the seal attached to the elastomeric member is also concentrically disposed around the rotating part. The seal can also include a living hinge portion disposed between the first and second portions. The first portion, the second portion and the living hinge portion can jointly define a continuous sealing surface.